

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v15)**

1. Expand the following expression into standard form.

$$(5x + 6)(8x - 3)$$

2. Solve the equation.

$$(4x - 9)(7x - 6) = 0$$

3. Expand the following expression into standard form.

$$(5x - 7)(5x + 7)$$

4. Expand the following expression into standard form.

$$(4x + 9)^2$$

5. Factor the expression.

$$x^2 + 4x - 21$$

6. Factor the expression.

$$9x^2 - 25$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 15x - 8x + 6 = 0$$

8. Solve the equation.

$$9x^2 + 39x - 39 = 2x^2 - 5x - 4$$